

Kazanskii, B. VOLUMETRIC RAPID DETERMINATION OF NICOTINE WITH SILICOTUNGSTIC ACID. [1962] 11p. Order from K-H 513.75 K-H 4072-c Trans. of Z[eitschrift] f[ür] Anal[ytische] Chem[ie] (Germany) 1931, v. 93, p. 107-114. DESCRIPTORS: *Nicotine, Determination, *Tungstic acid, Silicon compounds. (Chemistry--Analytical, TT, v. 8, no. 10)	62-22456 I. Kazanskii, B. II. K-H-4072-c III. Kresge-Hooker Science Library Associates, Detroit, Mich. Office of Technical Services
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A Rapid Colorimetric Method for the Determination
of Nickel in Alloys, by V. P. Ghotin, A. P.
Sytschov, 3 pp.

GERMAN, per, Z Anal Chem, Vol XC, 1932, pp 109-111.

SLA 59-15302

Sci - min/Met
Sep 59 1
Vol 2, No 22

97,964

Bockemüller, Wilhelm.
THE DETECTION AND DETERMINATION OF
FLUORINE IN ORGANIC COMPOUNDS. [1902] 13p.
34 refs.
Order from SLA \$1.60 63-10478

Trans. of Zeitschrift für Analytische Chemie]
(Germany) 1933, v. 91, p. 81-90.

DESCRIPTORS: Chemical analysis, *Fluorine,
Organic compounds, Alkali metals, Hydrolysis,
Decomposition, Oxidation, Determination.

(Chemistry--Analytical, TT, v. 10, no. 1)

C-10478
I. Bockemüller, W.

Office of Technical Services

Ripan, Raluca.
THE POTENTIOMETRIC DETERMINATION OF
CYANATES. [1963] 5p 6refs
Order from SLA \$1.10 63-18672

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(Germany) 1934, v. 98, p. 23-26

DESCRIPTORS: *Cyanates, Chemical analysis,
Potentiometers, Titration

(Chemistry--Analytical, TT, v. 10, no. 11)

63-18672

1. Ripan, R.

Office of Technical Services

Thiel, A. and Peter, O.
PRINCIPLES AND APPLICATIONS OF ABSOLUTE
COLORIMETRY. COMMUNICATION 12. THE ABSO-
LUTE COLORIMETRIC DETERMINATION OF IRON.
[1963] [5p] (figs omitted) 6refs
Order from SLA \$1.10 63-20322

Trans. of Zeitschrift für Analytische Chemie
(Germany) 1935, v. 103, p. 161-166.

DESCRIPTORS: *Iron, Colorimetric analysis,
*Colorimetry.

(Chemistry--Analytical, TT, v. 10, no. 12)

63-20322

- I. Thiel, A.
- II. Peter, O.
- III. Title: Absolute...

Office of Technical Services

Colorimetric Phosphate Determination in Turbid
and High Silicic Acid Content Waters, by Karl
Stoll.

GERMAN, per, Z. Angewandte Chemie. No 3/4,
1933, pp 112-.

Dept of Interior
TNT, B57, No 301

118,822

Sci - Chem

Jun 60

Method for Photometric Determination of Tungsten
Steel, by G. Bogatskiy

GERMAN, per, Z. F. Analytische Chemie, Vol ^{CXIV}~~114~~,
1938, pp 170-181.

Brutcher Tr Order No 946.
\$7.35

Scientific - Min/Metals

15,167

Coulometric Analysis as a Precision Method,
Part I, by L. Szebelledy, Z. Somogyi.
GERMAN, per, Zeits. fur Analytische Chemie,
Vol 112, 1938, pp 313-323. P911066067
AEC NP-tr-1473

Sci/Chemistry
Mar 67

318,581

Coulometric Analysis as a Precision Method II,
by L. Szebelledy, Z. Somogyi.
GERMAN, per, Zeit. Anal. Chem., Vol 112, 1938,
pp 323-331. P911027567
AEC NP-tr-1452

Sci/Chemistry
Mar 67

318,559

Determination of Sulphur in Nickel by Combustion
in a Current of Oxygen, by W. Dasing, K. Winckel-
mann, 5 pp.

GERMAN, per, Z Anal Chem, Vol CKIII, 1938, pp 419-
422.

SLA Tr 57-941

Sci - Chemistry
Oct 67

54, 101

Colorimetric Determination of Cerium, by E. Plank,
4 pp.

GERMAN, per, Z Anal Chem, Vol CXVI, 1939,
pp 312-315.

ATS 85L30G

Sci - Chem
Sep 59
Vol. 2, No 2

97,965

Zocher, H. and Saechtling, H.
CRITICAL INVESTIGATIONS ON THE ANALYSIS OF
HYPOSULFITE PREPARATIONS. [1963] 16p. 4 refs.
Order from SLA \$1.60 63-18678

Trans. of Zeitschrift für Analytische Chemie
(Germany) 1939, v. 117, p. 392-400.

DESCRIPTORS: *Sulfites, Chemical analysis,
Titration.

(Chemistry--Analytical, TT, v. 10, no. 11)

63-18678

1. Title: Hyposulfites
I. Zocher, H.
II. Saechtling, H.

Office of Technical Services

Determination of Small Amounts of Lead with
Dithionite, by Helmut Fischer, Grete Leopoldi,
25 p.

GERMAN, WPT, Zeit fur Anal Chem, 1940, Vol CXXV,
pp 161-183.

SIA 59-20454

Sci
Feb 60
Vol. 2, No 12

108,219

Determination of Piperazine. Rept. 4. Bromo
Acidimetric Determination, by A.Castiglioni.
GERMAN, per, Zeitschrift fur Analytische
Chemie, 1942-vol.123, pp.405-407.
SLA-TT-20393

Chem
Aug 66

307,768

Gotta, A. and Seehof, H.

THE NESSLER REACTION AND ITS USE IN THE
DETERMINATION OF NITROGEN IN COMMERCIAL
FERROUS ALLOYS. [1961] [9]p. (3 figs. omitted)
6 refs.

Order from SLA \$1.10

61-18463

Trans. of Zeitschrift für Analytische Chemie
(Germany) 1942, v. 124, p. 216-226.

DESCRIPTORS: *Steel, *Iron alloys, *Nitrogen,
Determination, Chemical reactions, Colorimetric
analysis, Sodium compounds, Hydroxides.

By preliminary tests the conditions were verified which
must be adhered to when using the Nessler reaction
for accurate quantitative colorimetric determinations
of ammonia. Based on these preliminary tests, a
method was developed for the determination of nitrogen
(Chemistry--Analytical, TT, v. 7, no. 1) (over)

61-18463

1. Title: Nessler reaction

I. Gotta, A.

II. Seehof, H.

Office of Technical Services

Richter, F.
PHOTOMETRIC DETERMINATION OF ALUMINUM
WITH ERIOCHROMCYANIN-R, PT. 1. [1961] [37]p.
(54 figs. omitted) 10 refs.
Order from SLA \$3.60

62-10127

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(Germany) 1944, v. 126, p. 426-452.

DESCRIPTORS: *Aluminum, Determination, Photo-
meters, *Reagents, Dyes, Aging, Hydrogen ion
concentration, Chemical indicators, Cyanines.

(Chemistry--Analytical, TT, v. 9, no. 10)

62-10127

1. Title: Eriochromcyanin-R
I. Richter, F.

Office of Technical Services

Polarographic Determination of Copper, Zinc,
and Manganese in Aluminum and Zinc Alloys, by
M. Spalenka, 21 pp.
GERMAN, per, Z Anal Chem, Vol 128, 1948, pp 42-51.
AEC/UCRL-Tr-10331-69

Sci/Chem
Jun 69

383,309
~~382,907~~

Melting-Point Curves with Inflection Points and
Mixture Gaps of the Liquid Phases in Organic
Binary Systems, by A. Kofler, 6 p.

GERMAN, per, Zeit fur Anal Chemie, 1948, Vol CXXVIII,
pp 543-549.

SLA 59-20718

Sci
Mar 60
Vol 3, No 1

110,854

Systemotology and Qualitative Investigation of
Surface-Active Substances, by Bernhard
Wurzschnidt, 119 pp.

GERMAN, per, Z fur Analytische Chemie, Vol CXXX,
No 2/3, 1950, pp 105-185.

SLA 60-10776

Sci
OTS, Vol III, No 7
Dec 60

137,590

Quantitative Analysis of Sodium Sulfate, Sodium
Sulfite, Sodium Thiosulfate Sodium Sulfide and
Sodium Polysulfide (Na_2S_2), Sodium Oxide, and
Sodium Carbonate in Coexistence, by Warner Sack,
9 pp.
GERMAN, per, Zeit. Anal. Chem., Vol 131, 1950,
pp 199-206.
AEC AI Tr 223

327,973

Sci - Chemistry
Jul 67

Two New Methods for the Determination of Aluminum
Oxide in Metallic Aluminum, by O. Werner.
GERMAN, per, Z Anal Chemie, Vol CXXI, No 11, 12,
~~18~~ pp 385-398.
HB 5357

Sci - Mat/Met
May 64

258,372

Dewald, W. and Schmidt, H.
CONTRIBUTION TO THE ANALYTICAL DETERMINATION OF VARIOUS PHOSPHATES IN THE PRESENCE OF ONE ANOTHER. I. IMPROVEMENT OF THE BRITSKI-DRAGONOFF PYROPHOSPHATE DETERMINATION. II. DETERMINATION OF PYROPHOSPHATE AND HIGH POLYMER METAPHOSPHATE (Beiträge zur Analytischen Bestimmung der Verschiedenen Phosphate Nebeneinander, I-II). [1963] 41p. (foreign text included) 12 refs.
Order from SLA \$4.60

Trans. of Zeitschrift für Analytische Chemie (West Germany) 1951, v. 134, p. 17-22, #86-95.
##Another trans. is available from SLA ml\$1.80, ph\$1.80 as 60-18062 [1960]₁[9]p.

DESCRIPTORS: *Phosphates, Chemical analysis, Heating.

(Chemistry--Analytical, TT, v. 10, no. 8) (over)

63-16828

- I. Title: High polymers
2. Title: Britski-Dragonoff
- I. Dewald, W.
- II. Schmidt, H.
- III. Title: Improvement...
- IV. Title: Determination....

Office of Technical Services

Flaschka, H.
QUANTITATIVE PRECIPITATIONS OF SULFIDE
WITH THIOACETAMIDE IN MICROANALYSIS (Über
Quantitative Sulfidfällungen mittels Thioacetamid in
der Mikroanalyse). [1963] 8p. 8 refs.
Order from SLA \$1.10

63-16907

Trans. of Z[schrift für Analytische] Chem[ie]
(West Germany) 1951, v. 133, p. 103-109.

DESCRIPTORS: *Sulfides, *Thio radicals, *Acetamides,
Microanalysis, Chemical precipitation, Quantitative
analysis, Hydrogen compounds.

(Chemistry--Analytical, TT, v. 10, no. 7)

63-16907

1. Title: Thioacetamide
1. Flaschka, H.

Office of Technical Services

Analytical determination of various
Phosphates in the Presence of Each
Other. II. Determination of Pyrophos-
phate and high Polymeric Metaphosphate
in the Presence of Each Other,
by M. Dewald, H. Schmidt, *186*

GERMAN, per. Z fuer Analytische Chemie
Vol CXXXIV, 1951, pp 86-95.

SLA 60-18062

Sci
Feb 62

186, 807

Quantitative Determination of Oxidizing Impurities
in Air, by E. Effenberger, 3 pp.

GERMAN, per, Z fuer Analytische Chemie, Vol CXXIV,
1951, pp 106-109. 649085

Picatinny Arsenal Tr 36
OTIA 3805

Sci
Nov 59

100,479

New Methods for the Iodometric Determination of
Bromide Over Cyanogen Bromide, by E. Schuelek,
J. Laszlovsky, L. G. Molnar, E. Zapp.

Full translation.

GERMAN, ^{wp}per, Zeitschrift fur analytische Chemie,
Vol CXXXIV, Pt. 3, 1951, pp 161-177.

AEC Tr 1402

WASH DCur - Germany
Scientific - Chemistry, bromide

Oct 52 CTS/DEX

62-22890

Zahn, H. and Wurz, A.
QUANTITATIVE DETERMINATION OF PHENOLS
WITH 2,4-DINITROFLUOROBENZENE. [1962] 9p.
Order from K-H \$11.25 K-H 3138-g

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1951, v. 134, p. 183-187.

DESCRIPTORS: *Quantitative analysis, Determination,
*Phenols, Nitrobenzenes, Fluorides.

(Chemistry--Analytical, TT, v. 8, no. 6)

- I. Zahn, H.
- II. Wurz, A.
- III. K-H-3138-g
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Schöniger, W. and Lieb, H.
THE MICROANALYTICAL DETERMINATION OF THE
CARBONYL GROUP. 17 Aug 54, 6p 48refs
Order from SLA \$1.10

TT-64-10439

Trans. of Zeitschrift für Analytische Chem[ie] (West
Germany) 1951, v. 134, p. 188-191.

(Chemistry--Analytical, TT, v. 11, no. 12)

TT-64-10439

I. Schöniger, W.
II. Lieb, H.

Office of Technical Services

Atomic Spectrometry, by W. R. Vaughn, W. T. Boyd, D. I. McCane and G. J. Sloan.

Full translation.

2
1. Atomic Spectrometry, Anal. Chem., Vol CXXIV, 1952,
pp 119-122.

AEC TR-1444

Scientific - Physics, spectrometry

Separate and Combined Determination of Lead and
Other Metals by Titration with Disodium Salt
of EDTA (Ethylenediamine Tetraacetic Acid),
by H. Flaschka and F. Hultsch.

GERMAN, par, Z. Anal Chem, 1952, pp 170-176.

SLA/ASLUB-CD-122

501

Jul 58

68,400

Heinrich, H. C.
A SIMPLE METHOD FOR THE COLORIMETRIC
DETERMINATION OF THE VITAMIN B₁₂ GROUP.
Communication No. 1. 11p 4ref.
Order from SLA \$1.60

TT-64-16839

Trans. of Zeitschrift für Analytische Chemie (West
Germany) 1952, v. 135 [no. 4] p. 251-258.

TT-64-16839

I. Heinrich, H. C.

(Biological Sciences - Biochemistry, TT, v. 12, no. 5)

Office of Technical Services

Separation of Molybdenum From Heavy Metals by Means of
Ion Exchange Resins, by R. Klement.
GERMAN, per, Z fuer Analytische Chemie, Vol CXXXVI,
No 1, 1952, pp 17-25.

GB/95

Sci - M/M

Feb 64

250,508

Huditz, F. and Flaschka, H.
TITRATION OF CYANIDE ION WITH NICKEL SOLUTIONS. [1963] 5p 5 refs.
Order from SLA \$1.10

63-18162

Trans. of Zeitschrift für Analytische Chemie (West Germany) 1952 v. 136, p. 185-188.

DESCRIPTORS: *Nickel, *Cyanides, *Titration, Halides.

It was shown that cyanide can be titrated with great accuracy with nickel standard solutions using Murexide in the presence of halides and pseudohalides. The titration can be carried out on a macro as well as on a micro scale. Analyses for known values of 0.2 to 200 mg. cyanide are given. The loss of hydrocyanic acid by volatilization can be avoided by starting with a known amount of standard nickel solution and back-titrating the excess with ethylenediamine tetraacetate standard solution. (Author)

63-18162

I. Huditz, F.
II. Flaschka, H.

(Chemistry--Analytical, TT,
v. 10, no. 12)

Office of Technical Services

Method for the Simultaneous Determination of Small
Amounts of H_2S & CS_2 in Air, by W. Sonnerschein,
K. Schafer.

GERMAN, per, Zeitschrift für Analytische Chemie,
Vol XCL, 1953, pp 15-25.

C.S.I.R.O.

Sci

May 60

115, 745

TT-64-10336

Flaschka, H., Holasek, A., and Amin, A. M.
THE TITRIMETRIC MICRODETERMINATION OF
POTASSIUM BY PRECIPITATING WITH TETRA-
PHENYLBORATE IONS (Die Acidimetrische Mikro-
bestimmung des Kaliums nach Fällung mit Tetra-
phenylborat-Ion). [1963] [14p] 11 refs
Order from SLA \$1.60 TT-64-10336

Trans. of Zeitschrift für Analytische Chemie (West
Germany) 1953, v. 138 [no. 3] p. 161-167. (Abstract
available)

DESCRIPTORS: *Potassium, Volumetric analysis,
*Microanalysis, Chemical precipitation, Reagents,
Phenyl radicals, *Borates, *Ammonium compounds.

Potassium is precipitated together with ammonium from
a weakly acidic solution by aid of tetraphenylborate
ions. The precipitate is ignited, and the ammonium salt
volatilizes here, whereas the potassium salt is trans-
(Chemistry--Analytical, TT, v. 11, no. 10) (over)

- I. Title: Tetraphenyl
borate
- I. Flaschka, H.
- II. Holasek, A.
- III. Amin, A. M.

Office of Technical Services

Flaschka, H., Amin, A. M., and Holasek, A.
A NEW VOLUMETRIC METHOD FOR THE DETER-
MINATION OF POTASSIUM BY PRECIPITATING AS
POTASSIUM TETRAPHENYLBORATE (Eine Neue
Methods zur Massanalytischen Bestimmung von Kalium
nach Fällung als Kaliumtetraphenylborat). [1963] [10p]
4refs

Order from SLA \$1.10

TT-64-10334

Trans. of *Zeitschrift für Analytische Chemie* (West
Germany) 1953, v. 133 [no. 4] p. 241-244. (Abstract
available)

DESCRIPTORS: *Potassium, Volumetric analysis,
Chemical precipitation, Reagents, Phenyl radicals,
*Borates, *Mercury compounds, Chlorides,

Potassium is precipitated by use of the tetraphenyl-
borate ion. The precipitate is allowed to react with
(Chemistry--Analytical, TT, v. 11, no. 10) (over)

TT-64-10334

- I. Title: Tetraphenyl borate
- I. Flaschka, H.
- II. Amin, A. M.
- III. Holasek, A.

Office of Technical Services

Freytag, H.
A COMPARISON OF SOME TESTS FOR MERCAPTO
COMPOUNDS. [1961] 8p.
Order from ATS \$13.40 ATS-29N56G

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1953, v. 136, p. 259-266.

DESCRIPTORS: *Thiols, Detection.

(Chemistry--Analytical, TT, v. 7, no. 10)

62-12067

- I. Freytag, H.
- II. ATS-29N56G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

The Specific Titration of Zinc and Cadmium With
Complexone in the Presence of Certain Other Metal
Ions, by H. Flaschka, 5 pp.

GERMAN, per, Zeitschrift fuer Analytische Chemie,
Vol CXXVIII, 1953, pp 332-~~22~~ 337.

1108

S.L.A. Tr 3676/1956

Sci - Chemistry
Oct 56 CTS

40,026

The Electrolytic Separation of Elements at
Mercury Cathodes, by R. Döck, K. G. Eckstein.
UNCL

GERMAN, per, Z Anal Chem, No 5, ⁷⁵³~~1977~~ pp 339-357.

British Iron and Steel Ind
(no number given)

Sci - Chem
Sep 59

98,143

Method of Identifying Rutin by Paper
Chromatography and Demonstrating It in
Tobacco Extracts, by E. Wagner.

GERMAN, per, Z. fuer Analytische Chemie,
Vol CXXXVIII, 1953, pp 423-426.

CSIRO

Sci - Chem, Biol
Jun 62

199, 209

Colorimetric Determination of Titanium With
Sulphosalicylic Acid, by M. Zeigler,
O. Glemser.
GERMAN, per Z. analyt. Chem. Vol. 139, 1953
pp 92-96
CSIRO/No. 7807

Sci -
Aug 67

338-418

Precipitation of Alkali-Metals as Tetraphenyl-
Boro Compounds, by W. Geilman, W. Gebauer.

GERMAN, per, Z Appl Chem, Vol 3, CXXXIX, 1953,
pp 161-181.

Dept of Int,
Bur of Mines,
Electrotechnical Exper Sta,
Morris, Tenn.

Sci - Chem
Nov 58

AEC T-4133 76, 65-6

Freytag, H.
A NEW TEST FOR ASCORBIC ACID AND SOME
MERCAPTO COMPOUNDS BY LUMINESCENCE
ANALYSIS. [1961] 4p.
Order from ATS \$6.50 ATS-30N56G

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1953, v. 139, p. 263-267.

DESCRIPTORS: *Ascorbic acid, *Thiols, Detection,
Luminescence, Analysis.

(Chemistry--Analytical, TT, v. 7, no. 10)

62-12069

- I. Freytag, H.
- II. ATS-30N56G
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Applications of Ion Exchangers in Analytical Chemistry XXVII. Separation of Meta Als With Ion Exchangers in the Form of Citrates, by Olof Samuelson, Lennart Lunden, Kerstin Schramm, 6 pp.

GERMAN, Per, Z Anal Chem (West Germany) 1953, Vol CXL, No 5, pp 330-335.

SLA 59-15168

Sci

Vol 5, No 3

100,952

The Separation of ~~As~~ Arsenic, Antimony and Tin
With Thioformamid, by A. Musil, E. Gagliardi,
K. Reischl, 14 pp, UNCLASSIFIED

GERMAN, Zeit f. Anal Chem, Vol CXL, 1953,
pp 342-349, CIA D-168994

22,273

Navy Tr 1118/BnShips 572-A

Scientific - Chemistry Mar 55 CTS

The Separation of Iron From Aluminium by
Shaking Out With Diethylether and Tetra-
hydrofurane, by Hermann Specker, Heinrich Hartkamp,
4 pp, UNCLASSIFIED

GERMAN, per, ^{over}Zeit f. Anal. Chem. Vol CXL,
1953, pp 353-355, CIA D-168994

22,274

Navy Tr 1119/EnShips 572-B

Scientific - Chemistry

Mar 55 CTS

Methods for Spectrochemical Trace Analysis: 3. Trace
Analysis of Rocks and Soil Samples, by F. A. Pohl.

GERMAN, per, Z. anal Chem, Vol CXLI, 1954,
pp 81-86.

A.E.R.E. Harwell
11/3/5/431 OT/963

EEur - Germany

Scientific - Chemistry

CTS/DEX

19,676

The Analytical Chemistry of Zirconium,
by P. S. Murty, & B.S.V.R. Rao,

GERMAN, per, Zeit Anal Chem, Vol CXLI,
No 2, 1954, pp 93-96.

A/E.R.E. Barwell

20,204 Tr No 11/3/5/432

OT/929

Scientific - Chemistry

Dec 1954 CTS

Determination of Small Amounts of Acetaldehyde, by H.
Solms, G. Winkler, 7 pp.

GERMAN; per, Z. Anal Chem, Vol CXLII, 1954, p 1.

S.L.A. Tr 2045

Sci - Chemistry
Jan 57 CTS

49,000

On the Use of the "Original Hanau Artificial
Ultraviolet Lamp" in Qualitative Analysis. III.
Detection of Barbituric Acid, 2-Thiobarbituric
Acid, and Pyridine, by Hans Freytag, 8 pp.

GERMAN, per, Z Anal Chem, Vol ~~XXXIX~~ CXLII, 1954,
pp 12-15.

SLA 57-2604
NIE Tr 9-6

Sci - Chemistry

Oct 57

54,618

Methods of Spectrochemical Trace Analysis, 1954
IV. The Spectrochemical Trace Analysis of Purest
Aluminum, by F. A. Pohl, 7 pp.

GERMAN, per, Z. Anal. Chem., Vol CXXXIII, 1954,
pp 19-27.

AEC Tr 1954

Scientific - Chemistry

13,748

The Analytical Chemistry of Thorium. The Use of
Sebacic Acid and Sodium Naphthionate for the
Separation of Thorium From Uranium, by
M. Nageswara Rao, Bh. S. V. Raghava Rao,

GERMAN, per, Z. Anal Chem, Vol. CXXXXII, 1954,
pp 27-30.

162 AEC Tr 1955.

Scientific - Chemistry

13,749

Tetraphenyl Diboroxide. III. A New Detection of
Choline, Acetylcholine and Other Quaternary Ammo-
nium Compounds, by R. Men, 18 pp.

GERMAN, per, Ztschr. f. anal Chem, Vol. CXXXIII, 1954,
pp 30-38.

NIH

Scientific - Chemistry

CTS 65/Feb 1955

21,249

Rapid Method for the Determination of Silicon
and Halogens in Fluorine Containing Organo-
Silicon Compounds, by L. Holzappel,
G. Gottschalk,

GERMAN, per, Zeit Anal Chim, Vol CXLII,
No 2, 1954, pp 117-119.

23,598

R.A.E. Farnborough
Tr No 508

Scientific - Chemistry

May 55 CTS

Flame-Photometric Determination of Small Quantities
of Potassium, Sodium, and Lithium in the Presence of
Large Amounts of Alkaline Earth Metals, by W.
Schuhknecht, H. Schinkel, 2600 words.

GERMAN, per, Zeits. analyt. chemie, Vol CXLIII, 1954,
pp 321-330.

Brutcher No 3524

\$4.90

Chemistry
Scientific - ~~Mineralogy, metals~~

26, 7/8

Sep 55

Baron, H.
SIMPLIFIED DETERMINATION OF BORON IN PLANTS
WITH 1,1'-DIANTHRIMIDE. [1961] 11p.
Order from SLA \$1.60

62-10102

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1954, v. 143, p. 339-[348].

DESCRIPTORS: *Boron, Determination, *Plants, Sul-
furic acid; Colors, Imides, Imines.

(Chemistry--Analytical, TT, v. 7, no. 10)

62-10102

1. Title: Dianthrimide
1. Baron, H.

Office of Technical Services

Freytag, H.
OBSERVATIONS ON THE DETECTION OF THIOL
GROUPS. [1961] 13p.
Order from ATS \$27.80 ATS-31N56G

Trans. of Zeitschrift für Analytische Chemie
(West Germany) 1954, v. 143, p. 401-414.

DESCRIPTORS: *Thiols, Detection.

(Chemistry--Analytical, TT, v. 7, no. 6)

62-12221

I. Freytag, H.
II. ATS-31N56G
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

TT-64-14921

Thels, M.
THE DIRECT VOLUMETRIC DETERMINATION OF
ALUMINUM WITH ETHYLENEDIAMINETETRAACETIC
ACID (KOMPELXON III). [1964] 6p 2refs
Order from SLA \$1.10 TT-64-14921

I. Thels, M.

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1955, v. 144 [no. 2] p. 106-108.

(Chemistry--Analytical, TT, v. 11, no. 11)

Office of Technical Services

Quantitative Analysis of Indium, by D. Jentzsch, 8 pp.

GERMAN, per, 2nd Anal Chem., Vol (XLIV), 1955, pp 8-16.

S.L.A. No 218/1956
ABC Tr 2147

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22 pp.

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A.E.R.E. Barwell Lib Tr 604

Sci - Chemistry
March 57 CTS/dex

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pp 415-420.

IN3DOC-T2234

Sci

Aug 58

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Direct Complexometric Determination of Zirconium, by
A. Musil, M. Theis.
GERMAN, per, Z fuer Analytische Chemie, Vol CXLIV,
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CSIRO/No 6443

Sci - Chem

Feb 64

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Sci - Phys

Jun 63

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Reverse Translation
CEA-A-1712

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With Leucoindigocarmine and Comments on the
O₂ Determination, by K. Wickert, E. Jaap, 6 pp.

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344.

ARCT 3052

Sci - Chem
Oct 57

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The analysis of iodine in ⁱdifficultly decomposable
dried biological substances, by W. Gelschinger, 13 pp.

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pp 11-17.

SLA 58-182
CTC 58-1824

Sci

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CEA-tr-A-624 (Rpt: UNCLASSIFIED)

COMPLEXOMÉTRIE DES TERRES RARES.

(Complexometry of the Rare Earths).

L. Holleck, D. Eckardt, and L. Hartinger.

Translated into French from Z. anal. Chem.

146, 103-7(1955). 10p. Dep.(mc). 10/26/60

Nonproject.

glenn

NSA

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Titration of Sulphate with Barium Chloride and
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INSDOC-12233

Sci

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Sci - Chemistry
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S.L.A. Tr 714/1956

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Determination of the Solubility Products of Metallic Hydroxide Precipitates. 1. Reactions of the Aluminum Ion with the Hydroxyl Ion, by Z. Szabo.

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Aug 59

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Zahn, E. Reppoth.

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Aug 59

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Methods of Analysis of a Few New Pest-Control Agents,
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OSIRO-3220

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Aug 84

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A Color Reaction for Oxalic Dihydrazide, by
G. Nilsson, 5 pp.
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Vol 153, No 3, 1956, pp 161-165.
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ID 2204012068

Sci/Chem
Jul 68

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Complexometric Titrations in a More Strongly
Acidic Medium Back Titration With Bismuth
Nitrate Using Pyrocatechol Violet, by
H. Wlaschka, F. Sadek.

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Vol CMLIX, 1956, pp 349-355.

CSIRO

Sci - Chem
May 62

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Estimation of Magnesium in Various Types of
Iron, by R. Reichert.

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May 62

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On a New, Highly Selective Detection of
Zirconium by Means of Pyrocatechol
Violet in Presence of Complex, by
H. Flaschka, F. Sadak.

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Sci - Chem
June 62

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Titrimetric Determination of Boric Acid, by E.
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SLA 58-576

Sci

Aug 59

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A Process for the Determination of Minute
Quantities of Nitrite, by H. Ziemer, 5 pp.

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SIA Tr 57-278
(AEC Tr 2952)

Sci

Jul 58

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Pyridine Ring Cleavage as an Analytical
Principle, by H. Freytag, 28 pp.

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pp 86-96.

SLA - 57-2603
NIH Tr 9-7

Sci - Chemistry

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Oct 57

A New Highly Selective Method for the Photometric
Determination of Zirconium, by H. Flaschka, M. Y.
Farah, 20 pp.

GERMAN, no per, Z Anal Chem, Vol CLII, 1956,
pp 401-411.

AEC Tr 2956 ²⁵⁷⁶
SLA 57-2576-2, 430

Sci - Chemistry
Sep 57

Gassner, K. and Friedel, H.
TURBIDIMETRIC SULPHATE DETERMINATION IN
PHOSPHORIC ACID AND PHOSPHATES. [1963] 7p.
16 refs.
Order from SLA \$1.10

63-16256

Trans. of [Zeitschrift für Analytische Chemie (West
Germany) 1956, v. 152] p. 421-424.

DESCRIPTORS: *Sulfates, *Phosphoric acids,
*Phosphates, Chlorides, Gelatine, Quantitative
analysis.

There is described a rapid method for determining the
sulphate in technical phosphoric acid and phosphates
based on measurement of the turbidity occurring after
adding barium chloride. For obtaining spontaneous
reproducible turbidities, the phosphoric-acid solution
containing 0.40-1.60 mg SO_3 /50 ml at pH 1.0-2.0 is
(Chemistry--Analytical, TI, v. 10, no. 11) (over)

63-16256

I. Gassner, K.
II. Friedel, H.

Office of Technical Services

Simple High-Frequency Titrimeter, by E.
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Vol CLIV, 1957, pp 1-5.

CSIRO

Sci - Electron, Chem
Apr 62

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AEC (RFP-Trans-112) 5SPECTROPHOTOMETRIC DETER-
MINATION OF IRIIDIUM CONTENT WITH TETRAPHENYL PHOS-
PHONIUM BROMIDE. CONTRIBUTIONS TO THE ANALYTICAL
CHEMISTRY OF THE METALS OF THE PLATINUM GROUP III.
6Neeb, Rolf n0Translated for Dow Chemical Co., Rocky Flats Div.,
from 15Z. Anal. Chem.; 154: 17-22(1957). 2010p. 24Dep. NTIS.

28chemistry (analytical); translations 2707

28MN-4 29P NSA

Flame Photometric Determination of Alkaline Earth
Metals in the Presence of Foreign Metals, by K.
Ettre, J. Adem, 11 pp.

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Hesslich, per, Z. Anal Chem, Vol CIV, 1957, pp
105-114.

SLA 57-3406

Sci

Jul 59

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62-12699

Khalifa, H. and Zaki, M. R.
FAST GREY, R. A., A NEW COLORIMETRIC
REAGENT. I. SPECTROPHOTOMETRIC MICRODETER-
MINATION OF ZIRCONIUM (Fast Grey R. A., Ein
Neues Colorimetrisches Reagens. I. Spektrophoto-
metrische Mikrobestimmung von Zirkonium) tr. by
D. A. Sinclair. 1962, 12p. 10 refs. NRCC Technical
trans. 1003.

Order from NRCC \$1.00

NRCC C3926

Trans. of Z[schrift für] Anal[ytische] Chem[ie]
(West Germany) 1957, v. 158, p. 1-7.

DESCRIPTORS: *Zirconium, *Colorimetric analysis,
*Reagents, Dyes, Sensitivity, *Spectrophotometers,
Solutions, Colors, Determination.

(Chemistry--Analytical, TT, v. 8, no. 5)

- I. Title: Fast Grey, R. A.
(Reagent)
- I. Khalifa, H.
- II. Zaki, M. R.
- III. Title: Spectropho-
metric . . .
- IV. NRCC TT-1003
- V. NRCC C-3926
- VI. National Research Council
of Canada

Office of Technical Services

The Separation of Very Small Quantities
of Boric Acid From Silicic Acid by Diffuser
Plate Extraction, by Franz A. Pohl, 7 pp.
UNCLASSIFIED

GERMAN, per. Z fuer Anal Chemie, Vol CLVII,
1957, pp 6-23. CIA 9019874

CSIR 8
ACSIL Tr 1005

Sci - Chem
Jul 58

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Agterdenbos, J.
ACCURATE CONSIDERATION OF THE BLANK
VALUE IN COLORIMETRIC DETERMINATIONS
(Über die Genaue Berücksichtigung des Blindwertes
bei Colorimetrischen Bestimmungen). [1960] [9]p.
2 refs.
Order from SLA ml\$1.80, ph\$1.80 61-10522

Trans. of Z[eitschrift für] Anal[ytische] Chem[ie]
(West Germany) 1957, v. 157 [no. 3] p. 161-163.

Mathematical consideration of blank values in colorimetric analysis shows that measurement of the sample against the blank is the best method. (Author)

(Chemistry--Analytical, TT, v. 5, no. 12)

61-10522

1. Colorimetry--Theory
1. Agterdenbos, J.

148572

Office of Technical Services

63-10440

Sansonl, Bruno and Baumgartner, Louis.
SEPARATION OF PHOSPHATES BY PAPER ELECTRO-
PHORESIS. V. HIGH VOLTAGE PAPER ELECTRO-
PHORESIS OF CONDENSED PHOSPHATES AND
METAPHOSPHATES. Preliminary rept. International
Congress for Pure and Applied Chemistry (no. 4)
Lisbon 1956. [1962] 17p. 21 refs.
Order from SLA \$1.60 63-10440

Trans. of Zeitschrift für Analytische Chemie (West
Germany) 1957, v. 158, p. 241-251.

DESCRIPTORS: *Electrophoresis, *Paper, Separation,
*Phosphates, Inorganic compounds, Salts, Ions.

This report shows that high-voltage paper electro-
phoresis, is of importance for the separation of
inorganic ions. The method appears suitable (1) for
rapid separation of inorganic ions in the control of
technical operations, (2) for investigating unstable ions
(Chemistry--Physical, TT, v. 10, no. 3) (over)

- I. Sansoni, B.
- II. Baumgartner, L.
- III. Title: High ...
- IV. International ...

Office of Technical Services

Flame Photometric Determination of Small
Units of Sodium, by W. ~~ESSENHORN~~ Schuhknecht.

GERMAN, per, Z. fur Anal Chem, Vol CLVII,
1957, pp 338-343.

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Sci - Chem
Oct 61

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Test Grey R.A., A New Colorimetric Reagent. I.
Spectrophotometric Microdetermination of Zirconium,
by H. Khalifa, M. R. Zaki, 12 pp.

GERMAN, per, Z fuer Anal Chem, Vol CLVIII, 1957,
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AEC TT-1003

Sci - Chem
May 62

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Statistics ¹⁰ ~~34~~ Chemical Analysis I. The Discovery of
Systematic and Gross Errors and the Significance of
Random Errors in Gravimetric and Titrimetric Analytical
Procedures, by G. Gottschalk, P. Dehmel, 17 pp.

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SIA 59-15789

Sci
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Vol 2, No 5

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Infrared Absorption Spectra of Various
Phosphorus Compounds. I. Alkali Ortho-
phosphates, by A. Mitschin, K. Maennchen,
9 pp.

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Vol CLXI, 1957, pp 241-248.

SLA 60-19168

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Mar 62

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Gravimetric Determination of Sulfur as Benzidine
Sulfate, by G. Gottschalk, P. Schuel.
GERMAN, per, Z. Anal. Chem., Vol 155, 1957,
pp 251-263. P911053067
AEC ANL-tr-406

Sci/Chemistry
MAR 67

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